TENT COOPERATION TREA

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202

Date of mailing (day/month/year)

06 July 2001 (06.07.01)

International application No.

PCT/US00/26901

International filing date (day/month/year)

29 September 2000 (29.09.00)

Applicant

LAFATA, Paul, Sylvester et al

Ī	
1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	30 April 2001 (30.04.01)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

. Charlotte ENGER

Telephone No.: (41-22) 338.83.38

Form PCT/IB/331 (July 1992)

Facsimile No.: (41-22) 740.14.35

US0026901

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: NORMAN P. SOLOWAY HAYES, SOLOWAY, HANNESSEY, GROSSMAN & HAGE, P.C. 175 CANAL STREET MANCHESTER, NH 03101

PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Applicant's or agent's file reference
TRM TR990031
International application No. International filing date (day/month/year) Priority date (day/month/year)
PCT/US00/26901 29 September 2000 (29.09.2000) 30 September 1999 (30.09.1999)
Applicant

LAFATA, PAUL SYLVESTER

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks

Box PCT Washington, D.C. 20231

Facsimile No. (703)305-3230

Authorized officer

Emmanuel S. Luk

DEBORAH THOMAS PARALEGAL SPECIALIST

Telephone No. (703) 305-1558

Form PCT/IPEA/416 (July 1992)



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference TRM TR990031	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)			
PCT/US00/26901	29 September 2000 (29.09,2000)	30 September 1999 (30.09.1999)			
International Patent Classification (IPC)	or national classification and IPC				
IPC(7): B28B 17/00; B29C 47/00 and U	S Cl.: 425/182, 185, 190, 562				
Applicant					
LAFATA, PAUL SYLVESTER					
	ary examination report has bee is transmitted to the applicant a	on prepared by this International Preliminary eccording to Article 36.			
2. This REPORT consists of	a total of Z sheets, including	this cover sheet.			
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheets.					
					
3. This report contains indica	3. This report contains indications relating to the following items:				
I Basis of the repo	ort				
II Priority					
III Non-establishme	ent of report with regard to nove	elty, inventive step and industrial applicability			
IV Lack of unity of					
. V Reasoned statem	ent under Article 35(2) with re	gard to novelty, inventive step or industrial			
	ations and explanations support				
VI Certain documen	its cited				
VII Certain defects in	n the international application				
VIII Certain observati	ions on the international applica	ation			
Date of submission of the demand	Date of submission of the demand Date of completion of this report				
30 April 2001					
Name and mailing address of the IPEA/US		rized officer			
Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231		anuel S. Luk DEBORAH THOMAS PARALEGAL SPECIAL ST			
Facsimile No. (703)305-3230	Teleph	ione No. (703) 305-1558			
Form PCT/IPEA/409 (cover sheet) July 19	orm PCT/IPEA/409 (cover sheet)/July 1998)				



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International a ion No.
PCT/US00/26901

I.	Basis of the report
1.	With regard to the elements of the international application:*
	the international application as originally filed. the description:
	pages 1-7 as originally filed pages None , filed with the demand pages None , filed with the letter of
	the claims: pages None pages None pages None pages None pages None pages 8-11 pages 8-11 , filed with the demand pages 8-11 , filed with the letter of 01 October 2001 (01.10.2001)
	the drawings: pages 1-2 , as originally filed pages None , filed with the demand pages None , filed with the letter of
	the sequence listing part of the description: pages, as originally filed pages, filed with the demand pages, filed with the letter of
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is:
	the language of a translation furnished for the purposes of international search (under Rule23.1(b)). the language of publication of the international application (under Rule 48.3(b)).
	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:
	contained in the international application in printed form.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority in written form.
	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.	The amendments have resulted in the cancellation of:
	the description, pages
	the claims, Nos.
	the drawings, sheets/fig
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
this	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

Form PCT/IPEA/409 (Box I) (July 1998)



International tion No.
PCT/US00/26901

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supp rting such statement					
1. STATEMENT					
Novelty (N)	Claims	3,4,6-17,20,21 and 23-25	YES		
		1,2,5,18,19 and 22	NO		
Landin Grant (IC)	Claima	NONE	YES		
Inventive Step (IS)	Claims	NONE 1-25	NO NO		
	Olumbia	<u></u>			
Industrial Applicability (IA)	Claims	1-25	YES		
	Claims	NONE	NO		
Claims 1, 2, 5, 18, 19 and 22 lack novelty under PCT Articles 33(2) as being anticipated by Maus et al. Maus et al teach a method and apparatus of molding plastic articles (31") in an injection mold (Col. 1, lines 5-9) btween first mold section and second mold section (74") having interchangeable gate inserts (Col. 28, lines 35-48) of various designs (Col. 32, lines 24-25) where the insert is placed in a recess (27). Regardless of the material used, the gates are interchangeable and the intended use of changing the gates for changing the gates for color rather than the prior art of different flow control. Claims 3,4,6-17,20,21 and 23-25 lack an inventive step under PCT Article 33(3) as being obvious over Maus et al over Hepler et al. Maus et al teach the claimed invention. Maus et al fail to teach an edge gate design, gate design removably attachable to the first or second mold member by threaded fasteners, having at least two interchangeable mold members for the gate designs, and the plastic materials of a certain pignent or polymer. However, in regards to the plastic material, it is merely an intended use of the apparatus specifying the pignents and the properties of the plastic material. In regards to the edge gate design, Hepler et al teaches an injection molding machinery having a bushing (10) with a tip (39) that releasably screws (Col. 6, line 5) into terminal end of the nozzle bod; and the trip having multiple edge gates (Col. 1, lines 19-20). It would have been obvious to one of ordinary skill in the art to have provided Maus et al with a tip design because provides a way of securing the inserts and to port the materials via edge gate design as taught by Hepler et al. Claims 1-25 meet industrial applicability under PCT Article 33(4) because the claimed apparatus can be used in industry to injection mold plastic products. ———————————————————————————————————					

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference TRM TR990031	FOR FURTHER ACTION		n of Transmittal of International camination Report (Form PCT/IPEA/416)		
International application No.	International filing date (day/mor	th/year)	Priority date (day/month/year)		
PCT/US00/26901	29 September 2000 (29.09.2000)		30 September 1999 (30.09.1999)		
International Patent Classification (IPC)	or national classification and IPC				
IPC(7): B28B 17/00; B29C 47/00 and U	S C1.: 425/182, 185, 190, 562				
Applicant					
LAFATA, PAUL SYLVESTER					
· Examining Authority and	nary examination report has been is transmitted to the applicant a	ccording to Art	ticle 36.		
2. This REPORT consists of	a total of 3 sheets, including	tims cover snee			
which have been ame	This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These annexes consist of a	total of sheets.				
3. This report contains indications relating to the following items:					
I Basis of the report					
II Priority	II Priority				
III Non-establishm	ent of report with regard to nov	elty, inventive	step and industrial applicability		
IV Lack of unity of	f invention				
	nent under Article 35(2) with re	egard to novelty	/ inventive step or industrial		
<u> </u>	tations and explanations suppor		=		
VI Certain docume	ents cited				
VII Certain defects	VII Certain defects in the international application				
VIII Certain observa	VIII Certain observations on the international application				
•					
Date of submission of the demand Date of completion of this report			of this report		
30 April 2001			\checkmark		
Name and mailing address of the IPEA/US		orized officer	N.D.		
Commissioner of Patents and Trademar Box PCT		anuel S. Luk	DEBORAH THOMAS PARALEGAL SPECIALIST		
Washington, D.C. 20231 Facsimile No. (703)305-3230		hone No. (703)			
Form DCT/IDEA /400 (cover cheet / July 1	pm PCT/IPEA/400 (cover sheet Viuly 1998)				

INTERNATIONAL PRELIMINARY	EXAMINATION REPORT

Γ	nternational appacation No.	-
ŀ	PCT/US00/26901	

I.	Basis f the rep rt
1.	With regard to the elements of the international application:*
	the international application as originally filed.
	the description:
	pages 1-7 as originally filed
	pages None, filed with the demand pages None, filed with the letter of
	the claims:
	pages None, as originally filed, as amended (together with any statement) under Article 19
	pages None , filed with the demand
	pages 8-11 , filed with the letter of 01 October 2001 (01.10.2001)
٠	
	the drawings
	pages 1-2, as originally filed pages None, filed with the demand
	pages None , filed with the letter of
	the sequence listing part of the description:
	pages , as originally filed
	pages , filed with the demand
	pages, filed with the letter of
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.
	These elements were available or furnished to this Authority in the following language which is:
	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	the language of publication of the international application (under Rule 48.3(b)).
	the language of the translation furnished for the purposes of international preliminary examination (under Rules
	55.2 and/or 55.3).
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the
	international preliminary examination was carried out on the basis of the sequence listing:
	contained in the international application in printed form.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority in written form.
	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
	international application as filed has been furnished.
	The statement that the information recorded in computer readable form is identical to the written sequence listing
	has been furnished.
4.	The amendments have resulted in the cancellation of:
	the description, pages
	the claims, Nos.
	the drawings, sheets/fig
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go
J.	beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
*	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in
th	s report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).
	Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

International application No. PCT/US00/26901

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supp rting such statement					
1. STATEMENT					
Novelty (N)	Claims	3,4,6-17,20,21 and 23-25	YES		
	Claims	1,2,5,18,19 and 22	NO		
Inventive Step (IS)	Claims	NONE	YES		
in out to stop (15)	Claims		NO		
Industrial Applicability (IA)	Claims	1-25	YES		
industrial reprintation (23)		NONE	NO		
placed in a recess (27). Regardless of the material used, the gates are interchangeable and the intended use of changing the gates for changing the gates for color rather than the prior art of different flow control. Claims 3,4,6-17,20,21 and 23-25 lack an inventive step under PCT Article 33(3) as being obvious over Maus et al over Hepler et al. Maus et al teach the claimed invention. Maus et al fail to teach an edge gate design, gate design removably attachable to the first or second mold member by threaded fasteners, having at least two interchangeable mold members for the gate designs, and the plastic materials of a certain pigment or polymer. However, in regards to the plastic material, it is merely an intended use of the apparatus by specifying the pigments and the properties of the plastic material. In regards to the edge gate design, Hepler et al teaches an injection molding machinery having a bushing (10) with a tip (39) that releasably screws (Col. 6, line 5) into the terminal end of the nozzle body (30), the tips are interchangeable and fts in a recess formed in the end of the nozzle body, and the tip having multiple edge gates (Col. 1, lines 19-20). It would have been obvious to one of ordinary skill in the art to have provided Maus et al with a tip design because it provides a way of securing the inserts and to port the materials via edge gate design as taught by Hepler et al. Claims 1-25 meet industrial applicability under PCT Article 33(4) because the claimed apparatus can be used in industry to injection mold plastic products. ———————————————————————————————————					

Form PCT/IPEA/409 (Box V) (July 1998)



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference TRM TR990031		FOR FURTHER ACTION		cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable, ow			
International application No. PCT/US00/26901		International filing date (day/mont 29 September 2000 (29.09.2000)	h/year)	(Earliest) Priority Date (day/month/year) 30 September 1999 (30.09.1999)			
	Applicant TEXTRON AUTOMOTIVE COMPANY, INC.						
according	This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets.						
	It is also accompanied	by a copy of each prior art docum	nent cited	in this report.			
1. Basis		he international search was carried (unless otherwise indicated under th		basis of the international application in the			
	Authority (Rule 23.1(b)).			international application furnished to this			
b.	search was carried out on the b	asis of the sequence listing:	sed in the	international application, the international			
<u> </u>	contained in the international	**	labla famo				
늗	i -	ational application in computer read	able form.				
-	furnished subsequently to thi						
<u> </u>	i	s Authority in computer readable fo		and the state of t			
<u> </u>	international application as fi	uently furnished written sequence listled has been furnished.	sting does	not go beyond the disclosure in the			
	the statement that the inform been furnished.	ation recorded in computer readable	form is id	lentical to the written sequence listing has			
2.	Certain claims were found	unsearchable (See Box I).					
3.	Unity of invention is lacking	g (See Box II).					
4. With	h regard to the title,	stad her the applicant	•				
	the text is approved as submi						
L	the text has been established by this Authority to read as follows:						
5. With	n regard to the abstract,						
\boxtimes	the text is approved as submi	tted by the applicant.					
				as it appears in Box III. The applicant may, rt, submit comments to this Authority.			
6. <u>The</u>	figure of the drawings to be published	lished with the abstract is Figure No	o. <u>1</u>				
\boxtimes	as suggested by the applicant			None of the figures			
	because the applicant failed to	o suggest a figure.					
	because this figure better cha	racterizes the invention.					

Form PCT/ISA/210 (first sheet) (July 1998)



A. CLASSIFICATION OF SUBJECT MATTER						
IPC(7) : B28B 17/00, B29C 47/00 US CL : 425/182, 185, 190, 562						
	According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIEI	DS SEARCHED	the same of the sa	·			
	ocumentation searched (classification system followed 125/182, 185, 190, 562	by classification symbols)				
Documentati	on searched other than minimum documentation to th	e extent that such documents are included i	n the fields searched			
Electronic da	ata base consulted during the international search (name	ne of data base and, where practicable, sea	rch terms üsed)			
C. DOC	UMENTS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·				
Category *	Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.			
Y	US 4,157,148 A (WHITE) 05 June 1979 (05.06.19		1-25			
Y	US 4,952,132 A (LUNDQUIST) 28 August 1990 (28.08.1990), column 4, lines 54-65.	1-25			
Y	US 5,334,006 A (HEPLER et al) 02 August 1994 (02.08.1994), column 1, lines 17-21.	1-25			
Y, E	US 6,146,123 A (LAUSENHAMMER et al) 14 No		1-25			
A	US 4,034,951 A (SOKOLOSKI) 12 July 1977 (12.0		1-25			
A	US 5,762,976 A (BROWN) 09 June 1998 (09.06.19		1-25			
]	(o).00.11	, 11gare 3.	1 23			
	·					
·		<i>:</i>	•			
			* * *			
	documents are listed in the continuation of Box C.	See patent family annex.				
* S _I	pecial categories of cited documents:	"T" later document published after the inte	rnational filing date or priority			
	defining the general state of the art which is not considered to be ar relevance	date and not in conflict with the applic principle or theory underlying the inve "X" document of particular relevance; the of	ntion			
"E" earlier app	olication or patent published on or after the international filing date	considered novel or cannot be consider				
establish t	which may throw doubts on priority claim(s) or which is cited to he publication date of another citation or other special reason (as	when the document is taken alone "Y" document of particular relevance; the of				
specified) "O" document	referring to an oral disclosure, use, exhibition or other means	considered to involve an inventive step combined with one or more other such being obvious to a person skilled in the	documents, such combination			
	published prior to the international filing date but later than the te claimed	"&" document member of the same patent f	amily .			
Date of the ac	Date of the actual completion of the international search Date of mailing of the international search report					
03 December 2000 (03.12.2000)						
	iling address of the ISA/US	Authorized officer				
Com: Box I	missioner of Patents and Trademarks	Emmanuel S. Luk				
Wash	ington, D.C. 20231	Emmad all				
Facsimile No.	(703)305-3230	Telephone No. (703) 305-1558				

Form PCT/ISA/210 (second sheet) (July 1998)

From the INTERNATIONAL SEARCHING AUTHORITY

To: NORMAN P. SOLOWAY HAYES, SOLOWAY, HANNESSEY, GROSSMAN & HAGE, P.C.

NOTIFICATION OF TRANSMITTAL OF

175 CANAL STREET MANCHESTER, NH 03101	THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION		
	(PCT Rule 44.1)		
	Date of Mailing (day/month/year)		
Applicant's or agent's file reference TRM TR990031	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No. PCT/US00/26901	International filing date (day/month/year) 29 September 2000 (29.09.2000)		
Applicant TEXTRON AUTOMOTIVE COMPANY, INC.			
1. The applicant is hereby notified that the international search Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims	•		
When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompany sheet.			
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35			
For more detailed instructions, see the notes on the accompanying sheet.			
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.			
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.			
4. Further action(s): The applicant is reminded of the following:			
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.			
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).			
Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.			
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks	Authorized officer		
Box PCT	Emmanuel S. Luk		
Washington, D.C. 20231 Facsimile No. (703)305-3230	Telephone No. (703) 305-1558		

Form PCT/ISA/220 (July 1998)

Inter onal application No.

PCT/US00/26901

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : B28B 17/00; B29C 47/00 US CL : 425/182, 185, 190, 562				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIEL	DS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)				
U.S. : 4	25/182, 185, 190, 562			
Documentation	on searched other than minimum documentation to the	e extent that such documents are included	I in the fields searched	
Electronic da	ta base consulted during the international search (na	me of data base and, where practicable, s	earch terms used)	
		•	,	
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
Y	US 4,157,148 A (WHITE) 05 June 1979 (05.06.19		1-25	
Y	US 4,952,132 A (LUNDQUIST) 28 August 1990 (28.08.1990), column 4, lines 54-65.		1-25	
Y	US 5,334,006 A (HEPLER et al) 02 August 1994 (02.08.1994), column 1, lines 17-21.		1-25	
Y. E	2000 (144, 2000)		1-25	
A	10 1 0 1 0 1 1 (00 0 1 0 0 0 0 1 0 1 1 1 1		1-25	
A	US 5,762,976 A (BROWN) 09 June 1998 (09.06.1998), figure 5.		1-25	
	03 5, 702, 976 A (BROWN) 09 June 1996 (09.00.1996), figure 3.			
•				
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l				
			1	
Further documents are listed in the continuation of Box C. See patent family annex.				
• ;	pecial categories of cited documents:	"T" later document published after the int		
"A" documen	t defining the general state of the art which is not considered to be	date and not in conflict with the appli principle or theory underlying the inv		
of partic	ular relevance	"X" document of particular relevance; the	claimed invention cannot be	
"E" carlier a	pplication or patent published on or after the international filing date	considered novel or cannot be considered when the document is taken alone		
	t which may throw doubts on priority claim(s) or which is cited to		alainadinaanina assa ka	
establish the publication date of another citation or other special reason (as "Y" document of particular relevance; to specified) considered to involve an inventive:				
"O" document referring to an oral disclosure, use, exhibition or other means combined with one or more other means being obvious to a person skilled				
l l		"&" document member of the same paten		
	it published prior to the international filing date but later than the date claimed	accurrent member of the same pater	t tanuiy	
Date of the	actual completion of the international search	Date of mailing of the international se	arch report	
17 JAN 2001				
	er 2000 (03.12.2000)	Authorized officer		
Commissioner of Pateurs and Trademarks				
Во	Box PCT Washington, D.C. 20231			
Facsimile No. (703)305-3230 Telephone No. (703) 305-1558				

Form PCT/ISA/210 (second sheet) (July 1998)